

AIRWORTHINESS DIRECTIVE

91-204 MBB

Date of issue: 26. Nov. 1991

Affected helicopter:

German type certificate No. 3025

Messerschmidt-Bölkow-Blohm

BO 105

- all helicopters optionally equipped with

- bleed air heating system or

- the engine air cleaner or

- optional equipment on which the hoses P/N 1121-60141 or P/N 105-80075 for engine bleed air (i.e. installation of bleed air powered air conditioning system via STC or STA) are used

on which the Allison Commercial Engine Bulletin No. CEB-A-1294 has been accomplished

Note: If CEB-A-1294 is not yet accomplished on this affected helicopters, the following note should be made on CEB-A-1294:

"Refer to ASB-BO 105-60-105"

Subject:

Insufficient clearance between Pc Air Tube and Pipe Assembly

Reason:

Insufficient clearance between Pc Air Tube, P/N 23051141 (P) and/or 23054628, and Pipe Assembly, P/N 1121-60141 and P/N 105-80075 (of engine bleed air system), can cause chafing of the PC Air Tube which, if the latter is worn right through, can result in engine failure

Actions:

1. Check that a clearance is present between the Pc Air Tube and the Pipe Assembly of the engine bleed air system and check the pipes for chafe marks, using a mirror if necessary.
2. No further action is required if there is 3 mm or more clearance between the pipes, and if the pipes have no chafe marks.
3. If there is less than 3 mm clearance between the pipes, and if the pipes have no chafe marks, remove

within the next 10 flight hours

Pc Air Tube P/N 23051141(P) or P/N 23054628, as applicable, and substitute original Pc Air Tube, P/N 6848471, which was replaced with CEB-A-1294.

Note:

If Pc Air Tube, P/N 6848471, is required but not available, contact MBB Customer Service for how to proceed.

4. If there is less than 3 mm clearance between the pipes, and the pipes have chafe marks, remove

prior to next flight

Pc Air Tube P/N 23051141(P) or P/N 23054628, as applicable, and substitute original Pc Air Tube, P/N 6848471, which was replaced with CEB-A-1294.

Note:

If Pc Air Tube, P/N 6848471, is required but not available, it is allowed to return to the next service station and contact MBB Customer Service for how to proceed.

Compliance: Prior to next flight

Technical publication of the manufacturer:

MBB Service Bulletin ASB-BO 105-60-105 of November 18, 1991 which becomes here with part of this AD and may be obtained from Messrs. Messerschmidt-Bölkow-Blohm GmbH, Abt. Drehflügler, Postbox 80 11 40, D-8000 München 80.

Accomplishment and log book entry:

Action may be accomplished by a skilled person or an approved service station and has to be checked and entered in the log by an licensed inspector.